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L1 and blow mold\$3 and container 4

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L1 and blow mold\$3 and container

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Today's Date: 9/19/2001

<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
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DWPI	L1 and blow mold\$3 and hollow	0	<u>L3</u>
DWPI	L1 and blow mold\$2 and hollow	0	<u>L2</u>
DWPI	(parison or preform) and (rib with (internal or inside))	56	<u>L1</u>

parison gripper 22

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L4: Entry 2 of 4

File: DWPI

Jun 2, 1999 Y

DERWENT-ACC-NO: 1999-379372

DERWENT-WEEK: 199935

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TITLE: Reinforced blow moulded container(s) e.g. bottle - has reinforcing ribs formed axially in inner surface of truck, base and shoulder parts of moulded product

PRIORITY-DATA: 1997JP-0317234 (November 18, 1997)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 11147249 A	June 2, 1999	N/A	005	B29C049/06

INT-CL (IPC): B29C 33/76; B29C 45/37; B29C 49/06; B29C 49/08; B29C 49/42; B29L 22/00

ABSTRACTED-PUB-NO: JP11147249A

## BASIC-ABSTRACT:

NOVELTY - A bottle-shaped moulded product (1) has spiral ribs (4) formed axially on its inner surface. The ribs are formed at the bottom, main cylindrical trunk, and shoulder portion at the inside of the container.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for stretch-blow molding method that involves forming ribs on the internal circumference of a parison, using a die head with a grooved core. Alternately the ribs are obtained using a grooved male mold half, while injection molding a preform.

USE - Blow-moulded bottles.

ADVANTAGE - Structurally reinforced products are obtained from less raw material, whilst strength is maintained.

DESCRIPTION OF DRAWING(S) - The figure shows front elevation and sectional view of bottle.

(1) Bottle; (4) Spiral rib(s).